

Patent Abstracts of Japan

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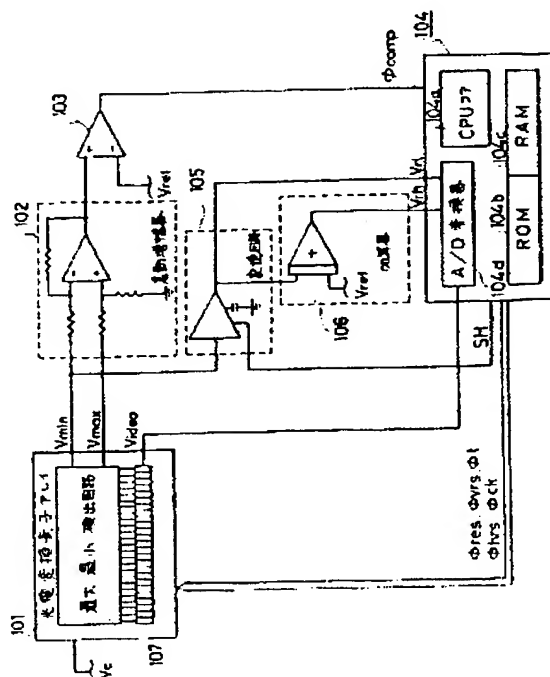
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APPLICANT : CANON INC;

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TITLE : PHOTOELECTRIC CONVERTER AND
STORAGE CONTROLLER
CONTROLLING STORAGE
OPERATION OF SAID CONVERTER



ABSTRACT : PURPOSE: To eliminate a DC component even in an object with low contrast and to obtain a sharp signal by detecting a maximum value and a minimum value of a storage signal during storage time of a photoelectric conversion element array and controlling the storage time so as to make the difference of the both constant thereby applying A/D conversion between the two values.

CONSTITUTION: A means 107 detecting the maximum value and the minimum value of the storage signal is provided while a photoelectric conversion cell 101 makes storage operation and the storage operation is finished when the difference between the maximum value and the minimum value of the storage signal reaches a prescribed level. Thus, the storage time is controlled so as to make the difference between the light part and the dark part of the object pattern constant, then only a characteristic part of the pattern is subject to A/D conversion, then a sharp signal is obtained independently of contrast.

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SEARCH REPORT